

ABSTRACT

[0033] A coil has foil conductor windings which are formed into self leads and provide a stable mount to a printed circuit board or the like. End portions of the foil windings, having
5 conductive opposite sides, are cut and formed into stacks. The stack configuration forms the self leads of the foil winding and facilitates the winding's exit from the coil. The self leads extend from the coil and are formed to reach to the printed
10 circuit board (PCB). The self leads are strong enough to mount the coil to the PCB. The ends of the self leads are trimmed to fit through holes in the PCB. After insertion, the layers of the self leads are bent in opposing directions to substantially block the hole, prevent extraction, and prevent solder from flowing
15 through the holes. The self leads are then soldered to the board. A bobbin having discontinuous flanges facilitates the exits of the self leads from the coil. The invention is useful in coils, inductors, transformers, and the like.